Max Hermanson

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EDUCATION

State University of New York College of Environmental Science & Forestry **Syracuse, NY**
Bachelor of Science, Environmental Biology, May 2018
GPA: **3.682**

RELEVANT COURSEWORK

Limnology, Limnology Practicum, Wetland Ecology, Marine Ecology, Graduate Marine Ecology Seminar, ArcGIS, Python

RELEVANT EXPERIENCE

MICROPLASTIC POLLUTION IN AQUATIC SYSTEMS: **Syracuse, NY**
SUNY College of Environmental Science & Forestry *Nov 2017 – May 2018*
- Conducted extensive literature review on microplastic pollution and summarized findings in a scientific report
- Developed understanding of the global sources, distribution, environmental impacts, and remediation of microplastics
- Delivered a 15-minute presentation titled, "Micro-plastics in the Marine Environment" to over 100 undergraduates

EFFECTS OF RECURRENT H.A.B. EXPOSURE ON GASTROPODS **Tully Lake, NY**
SUNY College of Environmental Science & Forestry *Oct 2017 – Nov 2018*
- Studied the effects of harmful algal blooms (HABs) on local aquatic gastropods in an experimental setting
- Compared shell growth and mortality rates between gastropods exposed to local HABs and those not exposed
- Presented findings to the "Tully Lake Property Owners Association"

RESEARCH ASSISTANT TO DR. HYATT GREEN **Syracuse, NY**
SUNY College of Environmental Science and Forestry *Sep 2017 – Feb 2018*
- Researched a newly discovered clade of bacteria (Commamox) that employs a highly unique metabolic pathway
- Performed a wide range of microbial lab procedures and reviewed literature concerning the target bacterium
- Furthered understanding of genomics, nitrogen pathways, and their use in global forecasting models

LIMNOLOGY PRACTICUM **Finger Lakes Region**
SUNY College of Environmental Science & Forestry *Sep – Nov 2017*
- Developed proficiency in standard laboratory and field analyses used in limnology by surveying local lakes
- Practiced data collection and analysis of a multitude of biotic and abiotic lake parameters
- Refined ability to diagnose and treat common ecological impacts encountered within freshwater systems

ECOLOGICAL TECHNICIAN **Syracuse, NY**
Environmental Resource Management *Jul – Aug 2016, May – July 2017*
- Performed wildlife surveys with a team of biologists focused primarily on endangered bat species
- Worked in rugged, wilderness terrain in severe weather conditions independently and with a team (50+ hrs/week)
- Gained insights on corporate energy infrastructure planning, permitting, and compliance

ROOT-ASSOCIATED FUNGI IN WETLAND TREES **Cranberry Lake, NY**
SUNY College of Environmental Science & Forestry *Aug 2017*
- Acted as lead author of a group project in a research competition over a two-week period in the Adirondacks State Park
- Created and executed a novel project on ectomycorrhizal fungi diversity in Larch trees in wetlands of NY
- Published in the *Cranberry Lake Biological Station* research database and received the *1st Place Bill Shields Award*

SKILLS

- Proficient French speaker
- ArcGIS, Python, Microsoft Office (Word, Excel, PowerPoint), iMovie, Adobe Illustrator
- PADI Open Water Diver Certification

CAMPUS INVOLVEMENT

Alpha Chi Sigma – Professional Chemistry Fraternity **Syracuse, NY**
SUNY College of Environmental Science and Forestry *March 2017 – May 2018*
Men's Varsity Crew **San Diego, CA**
University of California, San Diego *Aug 2013 – Jun 2015*